

WEBER RIVER BASIN

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10130500 WEBER RIVER NEAR COALVILLE, UT

LOCATION.--Lat $40^{\circ}53'43''$, long $111^{\circ}24'04''$, in NE $\frac{1}{4}$ SW $\frac{1}{4}$ NE $\frac{1}{4}$ sec. 20, T. 2 N., R. 5 E., Summit County, Hydrologic Unit 16020101, on left bank 1.2 mi upstream from high-water line of Echo Reservoir, 1.4 mi south of Coalville, 1.7 mi upstream from Chalk Creek, and 5.5 mi downstream from Silver Creek.

DRAINAGE AREA.--435 mi².

PERIOD OF RECORD.--April 1927 to current year.

REVISED RECORDS.--WSP 1314: 1943(M). WDR UT-77-1: Drainage area.

GAGE.--Water-stage recorder. Elevation of gage is 5,600 ft above NGVD of 1929, from topographic map. Prior to March 22, 1931, nonrecording gage, March 22, 1931 to July 18, 1967, water-stage recorder at same site at different datum.

REMARKS.--Records good except for estimated daily values, which are fair. Many diversions for irrigation above station. No diversion between station and Echo Reservoir. Records do not include water diverted from Weber River basin through Weber-Provo diversion canal. Flow regulated by several small reservoirs above station, and since April 1, 1957, by Rockport Reservoir.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 2,190 ft³/s, May 6, 1952; maximum gage height, 5.08 ft (present datum), May 29, 1951; minimum, 6 ft³/s, Sep 20, 1934.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 216 ft³/s, Sept. 11, gage height, 2.60 ft; minimum daily discharge, 22 ft³/s, May 3.

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2002 TO SEPTEMBER 2003
DAILY MEAN VALUES

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	88	44	42	e43	e44	e40	42	26	116	143	163	144
2	103	42	42	e42	e44	e39	42	25	124	154	162	142
3	66	41	41	e43	e44	e39	42	22	117	164	164	142
4	61	40	41	e42	e44	38	40	23	119	162	163	141
5	58	40	41	e42	e45	38	40	28	125	150	161	146
6	56	40	41	e42	e45	38	41	25	124	150	159	161
7	53	40	41	e43	e44	38	40	23	123	146	157	179
8	48	45	41	e44	e44	38	40	25	123	151	166	184
9	40	50	43	e43	e44	40	38	25	123	153	158	202
10	41	47	48	e44	e43	40	41	29	123	151	150	213
11	39	45	39	e44	e44	43	45	32	127	147	155	209
12	40	44	38	e43	e44	44	49	31	134	147	156	196
13	41	44	39	e43	e43	41	49	27	149	149	162	195
14	41	44	38	e43	e44	41	50	23	149	154	163	195
15	43	44	38	e42	e43	41	51	38	146	151	165	192
16	44	44	38	e42	e44	47	47	57	147	154	173	191
17	43	43	39	e43	e43	49	46	52	148	161	169	198
18	42	42	39	e43	e43	48	47	55	148	175	164	201
19	42	42	38	e42	e44	47	43	54	142	166	158	200
20	43	42	e41	e43	e43	46	38	53	142	168	155	196
21	43	42	e42	e44	e42	45	37	55	154	164	153	196
22	42	42	e41	e44	e41	43	38	53	161	150	151	195
23	44	42	e43	e44	e41	42	39	47	182	153	151	193
24	46	42	e42	e45	e41	41	36	48	193	147	144	189
25	44	43	e44	e45	e41	40	36	50	185	152	149	181
26	43	41	e44	e45	e40	41	39	46	181	148	144	183
27	42	42	e45	e45	e40	44	36	76	170	149	145	189
28	42	41	e45	e43	e40	42	31	122	167	162	151	200
29	42	42	e45	e42	---	42	26	125	166	151	161	201
30	42	41	e44	e43	---	41	27	116	156	156	164	194
31	43	---	e44	e44	---	40	---	120	---	162	156	---
TOTAL	1,505	1,281	1,287	1,340	1,202	1,296	1,216	1,531	4,364	4,790	4,892	5,548
MEAN	48.5	42.7	41.5	43.2	42.9	41.8	40.5	49.4	145	155	158	185
MAX	103	50	48	45	45	49	51	125	193	175	173	213
MIN	39	40	38	42	40	38	26	22	116	143	144	141
AC-FT	2,990	2,540	2,550	2,660	2,380	2,570	2,410	3,040	8,660	9,500	9,700	11,000

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1958 - 2003, BY WATER YEAR (WY)

MEAN	169	149	142	128	129	158	196	316	542	274	183	175
MAX	397	246	400	397	307	615	760	994	1,550	815	346	277
(WY)	(1985)	(1986)	(1984)	(1984)	(1985)	(1986)	(1986)	(1986)	(1983)	(1995)	(1983)	(1958)
MIN	26.8	32.0	27.9	23.5	28.1	27.5	31.4	44.3	96.8	89.7	40.6	43.6
(WY)	(1993)	(1962)	(1978)	(1978)	(1981)	(1981)	(1981)	(1959)	(1977)	(1958)	(1961)	(1960)

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SUMMARY STATISTICS	FOR 2002 CALENDAR YEAR	FOR 2003 WATER YEAR	WATER YEARS 1958 - 2003
ANNUAL TOTAL	31,062	30,252	
ANNUAL MEAN	85.1	82.9	
HIGHEST ANNUAL MEAN			213
LOWEST ANNUAL MEAN			485
HIGHEST DAILY MEAN	210	Jul 25	71.1
LOWEST DAILY MEAN	38	Dec 12	1,860
ANNUAL SEVEN-DAY MINIMUM	38	Dec 11	Jun 12, 1983
ANNUAL RUNOFF (AC-FT)	61,610	60,000	Apr 20, 1977
10 PERCENT EXCEEDS	175	166	May 2, 1961
50 PERCENT EXCEEDS	58	44	364
90 PERCENT EXCEEDS	42	39	172
			44

e Estimated

